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# **Defense Environmental Management Programs**

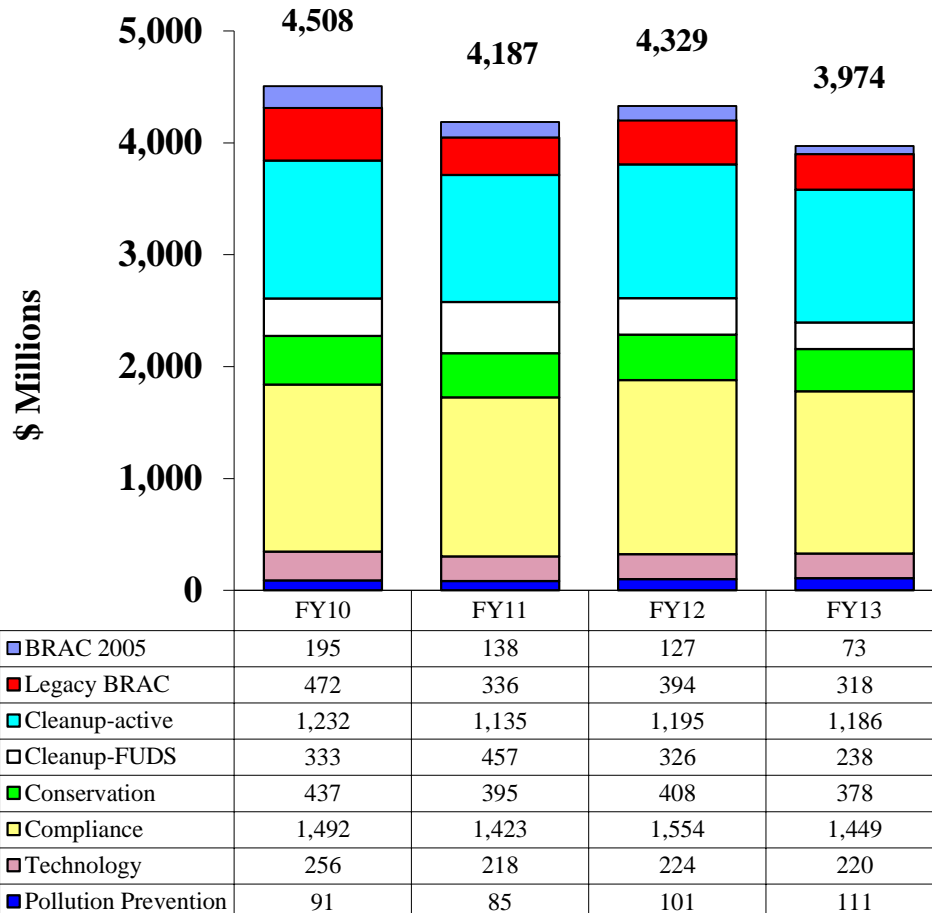
## **Fiscal Year 2013 President's Budget Request**

**Ms. Maureen Sullivan**  
**Director, Environmental Management**  
**ODUSD(I&E)**

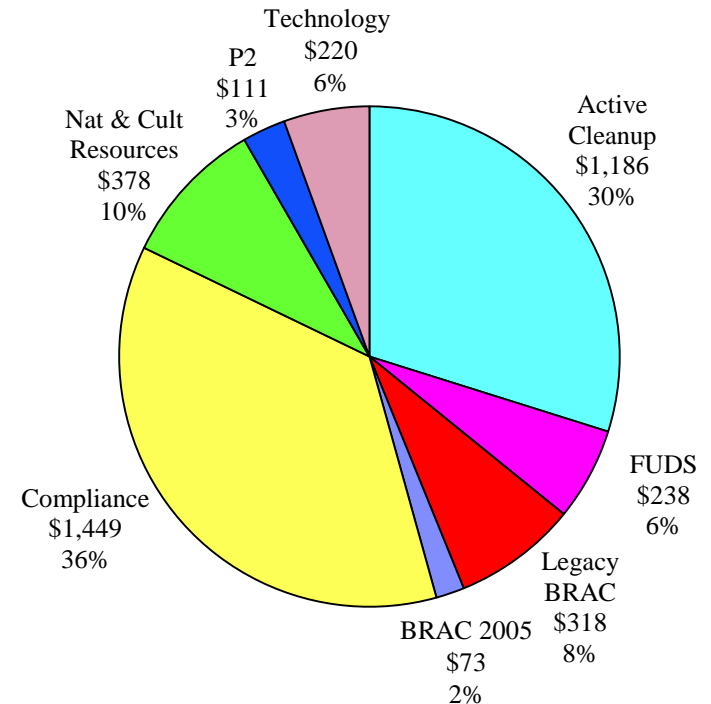
| Report Documentation Page  |                                    |                                     |   | Form Approved<br>OMB No. 0704-0188                  |                                 |
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| Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. |                                    |                                     |   |   |                                 |
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| 14. ABSTRACT   |                                    |                                     |   |   |                                 |
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# Environmental Management Programs (\$ Millions)



## FY 13 Request \$3,974 Billion



## Congressional Adds

| \$M            | FY 11 | FY 12 |
|----------------|-------|-------|
| FUDS           | \$40  | \$50  |
| BRAC           | \$0   | \$0   |
| ACTIVE CLEANUP | \$20  | \$0   |
| NALEMP         | \$12  | \$12  |
| REPI           | \$60  | \$0   |



# Compliance (\$1,448 Million)

*Complying with environmental regulations in day-to-day operations*

|          | FY10    | FY11    | FY12    | FY13    |
|----------|---------|---------|---------|---------|
| REQUEST  | \$1,618 | \$1,570 | \$1,551 | \$1,448 |
| ESTIMATE | \$1,595 | \$1,529 | \$1,554 |         |
| ACTUAL   | \$1,492 | \$1,422 |         |         |

## **FY2011 Accomplishments**

- Improved to 97% of DoD population receiving drinking water meeting regulatory standards
- Reached 95% compliance rate for DoD's water pollution control permits
- Successfully negotiated CWA concerns on EPA's proposed storm water permit program for the District of Columbia
- Trained over 240 DoD personnel in the American Indian and Native Hawaiian Cultural Communication Course in FY2011, with over 1,800 trained since FY2004
- Issued DoD Instruction policy on consultation with Native Hawaiian Organizations (DoDI 4710.03)

## **FY2012/2013 Challenges**

- Implementing new CWA discharge permit requirements for pesticide application
- Determining reasonable storm water fees under new CWA amendment
- Implementing revised measures of merit for interaction with Federally-Recognized Tribes
- Meeting the new Chesapeake Bay's pollution control requirements



# Conservation (\$379 Million)

## Natural & Cultural Resources\*

*Providing flexibility for mission activities while protecting natural and cultural resources*

|          | FY10  | FY11  | FY12  | FY13  |
|----------|-------|-------|-------|-------|
| REQUEST  | \$323 | \$320 | \$380 | \$379 |
| ESTIMATE | \$322 | \$325 | \$408 |       |
| ACTUAL   | \$437 | \$394 |       |       |

### **FY2011 Accomplishments**

- Promulgated new DoD Natural Resources Conservation Instruction (DoDI 4715.03)
- Avoided critical habitat designation for 14 species on 17 installations covering over 20,000 acres
- Worked with DoD Master Planning community to ensure that cultural resources management requirements were included in development of the first Unified Facilities Criteria for DoD Master Planning
- Developed first contingency operations cultural resource guidance as part of CENTCOM's Contingency Environmental Guidance Regulation

### **FY2012/2013 Challenges**

- Initiate efforts to avoid critical habitat designation for 60 candidate species with the potential to impact military activities
- Streamline USFWS' INRMP review process
- Develop programmatic solutions for historic property evaluation that will create DoD-wide efficiencies in Section 106 compliance, thereby enhancing mission support
- Develop guidance on appropriate rehabilitation practices for historic buildings to assist DoD in meeting the energy efficiency goals of EO 13514



# Pollution Prevention (\$111 Million)

*Lifecycle management of  
weapons systems, facilities,  
and waste generation*

|          | FY10  | FY11  | FY12  | FY13  |
|----------|-------|-------|-------|-------|
| REQUEST  | \$103 | \$117 | \$104 | \$111 |
| ESTIMATE | \$99  | \$115 | \$101 |       |
| ACTUAL   | \$91  | \$86  |       |       |

## **FY2011 Accomplishments**

- 61% overall solid waste diversion rate in FY 2010 and 64% in FY 2011
- Implemented the Strategic Sustainability Performance Plan to measure progress in meeting P2 and sustainability goals
- Reviewed a Q3/4 sampling of approx 600 contract actions using a manual review process. 92% were determined to be compliant in one or more of the OMB sustainable product categories.
- Conducted DoD/GSA Sustainable Procurement Workshop to collaborate on areas where the two agencies can most effectively improve sustainable procurement.
- Confirmed 14 new buildings were completed and complied with the Guiding Principles.
- Developed Solid Waste Diversion List for DoD Components
- DoD met or exceeded planned actions cited in July 2011 OMB Scorecard

## **FY2012/2013 Challenges:**

- Renewable energy key to reducing DoD GHGs, but will be a few years before reductions seen due to long project lead times.
- Federal Procurement Data System does not contain attributes needed to identify all sustainable contract actions. Recommend further updates.
- Not financially practical to manually review 5% of DoD's 11.8 million contract actions for sustainable procurement requirements.
- Domestic and International regulations on chemical use could impact DoD operations
- Facing significant budget cuts – ~\$400B over 10 years – may impact ability to meet aggressive P2 & sustainability targets
- Pollution Prevention projects are based on Return on Investment strategy. If P2 is not viewed as a legal requirement, funding is in jeopardy



# Environmental Restoration Program

## President's Budget \$ in Millions

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**Installation Restoration Program**

|                          | <b>FY2010<br/>Actual</b> | <b>FY2011<br/>Actual</b> | <b>FY2012<br/>Estimate</b> | <b>FY2013<br/>Request</b> |
|--------------------------|--------------------------|--------------------------|----------------------------|---------------------------|
| <b>Active*</b>           | \$981.3                  | \$939.7                  | \$909.6                    | \$919.2                   |
| <b>FUDS</b>              | \$164.5                  | \$243.0                  | \$211.9                    | \$150.0                   |
| <b>Legacy<br/>BRAC**</b> | \$391.5                  | \$291.4                  | \$303.4                    | \$265.1                   |
| <b>BRAC<br/>2005**</b>   | \$37.5                   | \$23.8                   | \$32.2                     | \$25.6                    |
| <b>Total</b>             | \$1,574.8                | \$1,497.9                | \$1,457.1                  | \$1,359.9                 |

**Military Munitions Response Program**

|                          | <b>FY2010<br/>Actual</b> | <b>FY2011<br/>Actual</b> | <b>FY2012<br/>Estimate</b> | <b>FY2013<br/>Request</b> |
|--------------------------|--------------------------|--------------------------|----------------------------|---------------------------|
| <b>Active</b>            | \$247.1                  | \$193.1                  | \$281.2                    | \$264.0                   |
| <b>FUDS</b>              | \$168.8                  | \$213.5                  | \$114.7                    | \$87.6                    |
| <b>Legacy<br/>BRAC**</b> | \$41.1                   | \$23.9                   | \$59.6                     | \$31.8                    |
| <b>BRAC<br/>2005**</b>   | \$3.2                    | \$63.5                   | \$26.9                     | \$14.2                    |
| <b>Total</b>             | \$460.2                  | \$494.0                  | \$482.4                    | \$397.6                   |

\* Excludes OSD funding

\*\* Excludes BRAC Planning and Compliance funding



# Environmental Restoration Program Challenges

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## **FY2012 Challenges**

- Sign the remaining two Federal Facility Agreements (FFAs): Tyndall AFB and Redstone Arsenal
- Continue development of next generation goals: BRAC and FUDS MMRP
- Transition UXO discrimination technology from demonstration to full-scale use
  - Address contractual concerns
  - Garner regulator support
- Establish a Munitions Response Dialogue to address munitions cleanup issues of concern with Federal and State environmental regulators, Federal land managers, and tribes
- Work with EPA on emerging cleanup requirements
  - Addition of vapor intrusion to the Hazard Ranking System
  - Five-Year Review process improvements
- Fully understand cost-to-complete: What is DoD getting for its investment?
- Analyze DoD BRAC inventory and cleanup progress to look for opportunities to accelerate property transfer



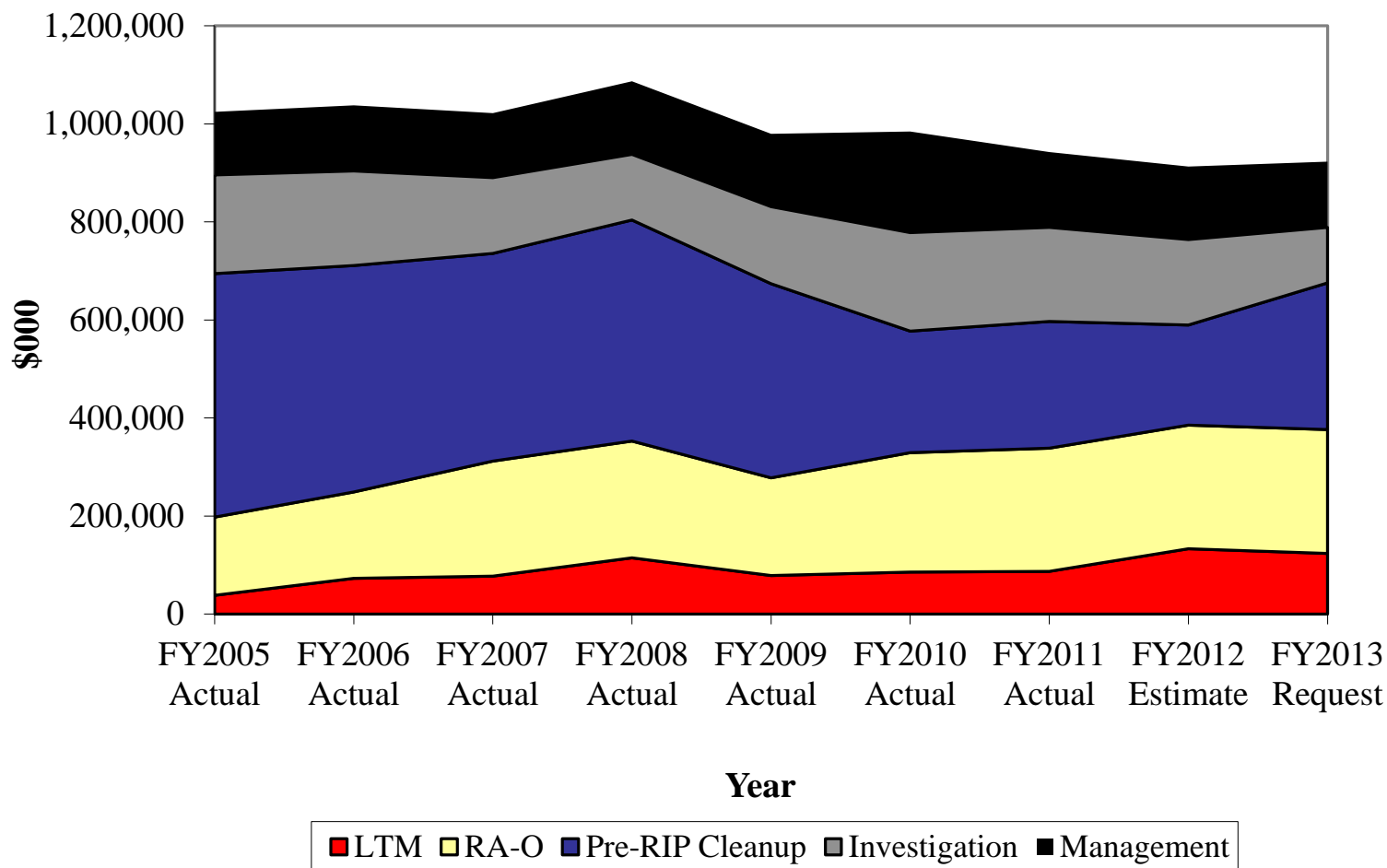


# Environmental Restoration Program

## IRP Funding at Active Installations

**Goals: Achieve RIP/RC by the end of FY2014**

**Achieve RC at 90% of sites by the end of FY2018 and at 95% of sites by the end of FY2021**



FY2010 funding reflects a \$41M reprogramming from Army Active to FUDS  
FY2011 funding reflects a \$141M reprogramming from Army Active to FUDS

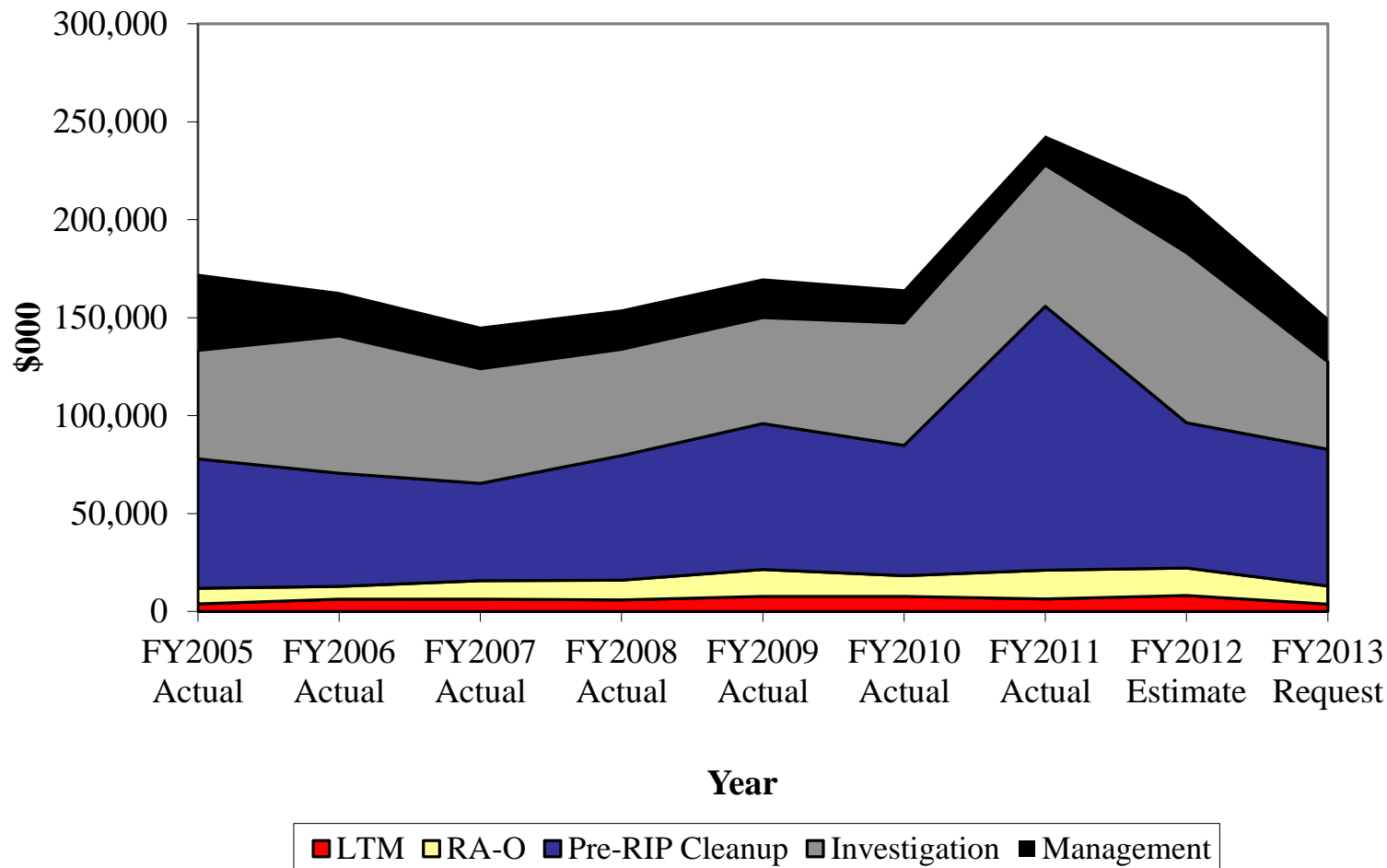
LTM – Long-Term Management  
RA-O – Remedial Action – Operations  
Pre-RIP – Pre-Remedy-in-Place



# Environmental Restoration Program IRP Funding at FUDS Properties

**Goals: Achieve RIP/RC by the end of FY2020**

**Achieve RC at 90% of sites by the end of FY2018 and at 95% of sites by the end of FY2021**





# Future Challenges

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- Compliance
  - Continue to maintain high level of compliance
- Conservation
  - Preserve key species and their habitat and keep candidate species from being added to the Threatened & Endangered Species list
  - Develop programmatic solutions for historic property evaluation that will create DoD-wide efficiencies in Section 106 compliance, thereby enhancing mission support
- Pollution Prevention
  - Integrate P2 as a significant part of DoD sustainability programs
  - Demonstrate P2 in terms of both ROI and compliance
  - Continue to integrate P2 as part of early weapon system design
- Cleanup
  - Continue development of next generation of performance goals for BRAC and FUDS MMRP
  - Transition UXO discrimination technology from demonstration to full-scale use
  - Ensure long-term management process is meaningful and transparent by improving five-year reviews
  - Fully understand cost-to-complete: What is DoD getting for its investment?
- Continue to hold DoD Components accountable for their investments